

### ABSTRACT

The present invention relates to the use of direct-write lithographic printing of proteins and peptides onto surfaces. In particular, the present invention relates to methods for creating protein and peptide arrays and compositions derived therefrom. Nanoscopic tips can be used to deposit the peptide or protein onto the surface to produce a pattern. The pattern can be dots or lines having dot diameter and line width of less than 1,000 nm. The tips and the substrate surfaces can be adapted for the peptide and protein lithography.